

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/380,484A

DATE: 03/28/2001
TIME: 18:15:34

Input Set : A:\14028.027.SEQ
Output Set: N:\CRF3\03282001\I380484A.raw

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4 <110> APPLICANT: Neville, David M.
5 Knechtle, Stuart
6 Thomas, Judith M.
7 Thompson, Jerry T.
8 Hu, Huaizhong
9 Ma, Shenglin
11 <120> TITLE OF INVENTION: IMMUNOTOXINS AND METHODS OF INDUCING
12 IMMUNE TOLERANCE
14 <130> FILE REFERENCE: 14028.0287
16 <140> CURRENT APPLICATION NUMBER: US 09/380,484A
17 <141> CURRENT FILING DATE: 1999-12-06
19 <150> PRIOR APPLICATION NUMBER: PCT/US98/04303
20 <151> PRIOR FILING DATE: 1998-03-05
22 <150> PRIOR APPLICATION NUMBER: 60/039,987
23 <151> PRIOR FILING DATE: 1997-03-05
25 <160> NUMBER OF SEQ ID NOS: 16
27 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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30 <211> LENGTH: 3476
31 <212> TYPE: DNA
32 <213> ORGANISM: Artificial Sequence
34 <220> FEATURE:
35 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
36 synthetic construct
38 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
39 synthetic
41 <400> SEQUENCE: 1
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43 tgcgcaactg ttgggaaggc cgtacggtgc gggcctcttc gctattacgc cagctggcga 120
44 aaggggggatg tgctgcaagg cgattaagt ttggtaacgcc aggggtttcc cagtcacgac 180
45 gttgtaaaaac gacggccagt ccgtaatacg actcacttaa ggccttgact agagggaaga 240
46 tctggatgca ttcgcgcgca cgtacggtct cgaggaattc ctgcaggata tctgggatcc 300
47 aagcttcacc atgggagacg tcaccggttc tagaacctag ggagctctgg taccactag 360
48 tgagtcgtat tacgtaaccg caggtaaaag gcatattttt cgcgtgtcat ggctagtaaa 420
49 taacaccggt gtcatttaga gtcagggaaa gacaatgaaa aacgaagaaa gccaccgggc 480
50 ggcaaccgga tgactttcgc ttatcaccca gcacacacct gggagaaatc acggtcatga 540
51 gtttacagac tcatgcgcag aatgcgcaca ctaaaacacc taccgcgcgc gagcgcgacc 600
52 gtggtggact ggacaacacc ccagcatctg ccagtgaccg cgacctttta cgcgatcatc 660
53 taggctcgca tgtactccac ggttcagtca cactgagact taaaaaggcc tatcgacgca 720
54 acgctgacgg cagcaactcg ccgcgtatgt atcgcttoga gactgatgct ttaggacggt 780
55 gcgagtacgc catgctcacc accaagcagt acgccgcgct cctggtcgta gacgttgacc 840
56 aagtaggtac cgcaggcggt gaccccgag acttaaaccc gtacgtccgc gacgtggtgc 900
57 gctcactgat tactcatagc gtcgggccag cctgggtggg tattaaccca actaacggca 960
58 aagcccagtt catatggctt attgacctg tctacgtga ccgtaacggt aaatctgcgc 1020
59 agatgaagct tcttgacgca accacgcgtg tgctgggtga gcttttagac catgacccgc 1080
60 acttttcca ccgctttagc cgcaaccgct tctacacagg caaagcccct accgcttatc 1140
61 gttggtatag gcagcacaac cgggtgatgc gccttgaga cttgataaag caggtaaggc 1200

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62 atatggcagg acacgaccag ttcaacccca cccacgcca gcaattcagc tctggccgcg 1260
63 aacttatcaa cgcggtcaag acccgccgtg aagaagccca agcattcaa gcactcgccc 1320
64 aggaacgtaga cgcggaaatc gccggtggtc tcgaccagta tgaccggaa cttatcgacg 1380
65 gtgtgcgtgt gctctggatt gtccaaggaa cgcgagcacg cgacgaaaca gcctttagac 1440
66 atgcgcttaa gactggccac cgcttgccgc agcaaggcca acgcctgaca gacgcagcaa 1500
67 tcatcgacgc ctatgagcac gcctacaacg tcgcacacac ccacggcggt gcaggccgcg 1560
68 acaacgagat gccacccatg cgcgaccgcc aaaccatggc aaggcgcggt cgcgggtatg 1620
69 tcgcccacatc caagagcgag acctacagcg gctctaacgc accaggtaaa gccaccagca 1680
70 gcgagcggaa agccttggcc acgatgggac gcagaggcgg acaaaaagcc gcacaacgct 1740
71 ggaaaaacaga ccccgagggc aaatatgcgc aagcacaaa gtcgaagctt gaaaagacgc 1800
72 accgtaagaa aaaggctcaa ggacgatcta cgaagtcccg tattagccaa atggtgaacg 1860
73 atcagtatatt ccagacaggg acagttccca cgtgggctga aataggggca gaggtaggag 1920
74 tctctcgcg cagcgttgct aggcattgct cggagctaaa gaagagcgg gactatccgg 1980
75 acgttttaagg ggtctcatat cgtaagcaat atacggttcc cctgccgtta ggcagttaga 2040
76 taaaacctca cttgaagaaa accttgaggg gcagggcagc ttatatgctt caaagcatga 2100
77 ctctctctgt tctcctagac ctgcgaaccc tcgccataa cctcaccgaa ttgtgggcca 2160
78 tcgccctgat agacggtttt tcgccctttg acgttggagt ccacgttctt taatagtga 2220
79 ctctgtttcc aaactggaac aacactcaac cctatctcgg gctattcttt tgatttataa 2280
80 gggattttgc cgatttcggc ctatttggtt aaaaatgagc tgatttaaca aaaatttaac 2340
81 gcgaatttta acaaaatatt aacgtttaca atttaaatat ttgcttatac aatcttctg 2400
82 tttttggggc ttttctgatt atcaaccggg gtaaatcaat ctaaagtata tatgagtaaa 2460
83 cttggtctga cagttaccaaa tgcttaatac gtgaggcacc tatctcagcg atctgtctat 2520
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86 tatcagcaat aaaccagcca gccggaagg cgcgagcgag aagtggctct gcaactttat 2700
87 ccgcctccat ccagtctatt aattggtgcc ggggaagctag agtaagtagt tcgccagtta 2760
88 atagtttgcg caacgttggt gccattgcta caggcatcgt ggtgtcacgc tcgtcgtttg 2820
89 gtatggcttc attcagctcc ggttcccaac gatcaaggcg agttacatga tccccatgt 2880
90 tgtgcaaaaa agcggtttagc tccttcggtc ctccgatcgt tgtcagaagt aagttggccg 2940
91 cagtgttatc actcatggtt atggcagcac tgcataatc tcttactgtc atgccatccg 3000
92 taagatgctt ttctgtgact ggtgagtact caaccaagtc attctgagaa tagtgtatgc 3060
93 ggcgaccgag ttgtctctgc ccggcgtaaa caccgggataa taccgcgcca catagcagaa 3120
94 ctttaaaagt gctcatcatt ggagaacggt cttcggggcg aaaactotca aggatcttac 3180
95 cgctgttgag atccagttcg atgtaacca ctcgtgcacc caactgatct tcagcatctt 3240
96 ttactttcac cagcgtttct gggtagcaca aaacaggaa gcaaaatgcc gcaaaaaagg 3300
97 gaataagggc gacacggaaa tgttgaaata tcatactctt cctttttcaa tattattgaa 3360
98 gcatttatca gggttattgt ctcatgagcg gatacatatt tgaatgtatt tagaaaaata 3420
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101 <210> SEQ ID NO: 2

102 <211> LENGTH: 21

103 <212> TYPE: DNA

104 <213> ORGANISM: Artificial Sequence

106 <220> FEATURE:

107 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =

108 synthetic construct

110 <400> SEQUENCE: 2

111 gacatccaga tgaccagac c

21

113 <210> SEQ ID NO: 3

114 <211> LENGTH: 58

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115 <212> TYPE: DNA
116 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
119 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
120     synthetic construct
122 <400> SEQUENCE: 3
123 cctcccgcgc caccgcctcc gctgcctccg cctcctttta tctccagctt gtgtcgcc      58
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126 <211> LENGTH: 56
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
132     synthetic construct
134 <400> SEQUENCE: 4
135 gcagcggagg cggtagctcg ggagggggag gctcggaggt gcagcttcag cagtct      56
137 <210> SEQ ID NO: 5
138 <211> LENGTH: 32
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
144     synthetic construct
146 <400> SEQUENCE: 5
147 gcaagcttga agactgtgag agtggtgcct tg      32
149 <210> SEQ ID NO: 6
150 <211> LENGTH: 37
151 <212> TYPE: DNA
152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
156     synthetic construct
158 <400> SEQUENCE: 6
159 gtctcttcaa agcttattgc ctgagctgcc tcccaa      37
161 <210> SEQ ID NO: 7
162 <211> LENGTH: 32
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
168     synthetic construct
170 <400> SEQUENCE: 7
171 gcacctagat cagtagcagg tgccagctgt gt      32
173 <210> SEQ ID NO: 8
174 <211> LENGTH: 59
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =

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180      synthetic construct
182 <400> SEQUENCE: 8
183 cggtcgacac catggagaca gacacactcc tgttatgggt actgctgctc tgggttcca      59
185 <210> SEQ ID NO: 9
186 <211> LENGTH: 51
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
192     synthetic construct
194 <400> SEQUENCE: 9
195 gtactgctgc tctgggttcc aggttcact ggggacatcc agatgaccca g      51
197 <210> SEQ ID NO: 10
198 <211> LENGTH: 67
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
204     synthetic construct
206 <400> SEQUENCE: 10
207 atgaaatacc tattgcctac ggcagccgct ggattgttat tactgcgctg cccaaccagc      60
208 gatggcc      67
210 <210> SEQ ID NO: 11
211 <211> LENGTH: 54
212 <212> TYPE: DNA
213 <213> ORGANISM: Artificial Sequence
215 <220> FEATURE:
216 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
217     synthetic construct
219 <400> SEQUENCE: 11
220 atgaaatacc tattgcctac ggcagccgct ggattgttat tactcgctgc ccaa      54
222 <210> SEQ ID NO: 12
223 <211> LENGTH: 59
224 <212> TYPE: DNA
225 <213> ORGANISM: Artificial Sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
229     synthetic construct
231 <400> SEQUENCE: 12
232 ggattgttat tactcgctgc ccaacaagcg atggccggcg ctgatgatgt ttttgattc      59
234 <210> SEQ ID NO: 13
235 <211> LENGTH: 31
236 <212> TYPE: DNA
237 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
241     synthetic construct
243 <400> SEQUENCE: 13
244 cgg tactata aaactcttcc caatcatcgt c      31

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Input Set : A:\14028.027.SEQ
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246 <210> SEQ ID NO: 14
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248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
253     synthetic construct
255 <400> SEQUENCE: 14
256 gacgatgatt ggaaagagtt ttatagtacc g                               31
258 <210> SEQ ID NO: 15
259 <211> LENGTH: 40
260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial Sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
265     synthetic construct
267 <221> NAME/KEY: misc_feature
268 <222> LOCATION: (0)...(0) /
269 <223> OTHER INFORMATION: N = c or a
271 <400> SEQUENCE: 15
W--> 272 agatctgtcg ntcacagct ttgatttca aaaaatagcg                     40
274 <210> SEQ ID NO: 16
275 <211> LENGTH: 15
276 <212> TYPE: PRT
277 <213> ORGANISM: Artificial Sequence
279 <220> FEATURE:
280 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
281     synthetic construct
283 <400> SEQUENCE: 16
284 Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
285 1           5           10          15

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VERIFICATION SUMMARY

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L:272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15